

Other designations:

CA18, X346

Applications properties:

Suitable mechanical properties
Sea-water corrosion resistant
Saline mist resistant
Oxidation resistant

Physical properties:

Specific gravity	7,6
Coefficient of expansion 20 to 300° C x 10 ⁻⁶	16
Young's modulus N/mm ²	125 000
Thermal conductivity W/(m K)	40
Resistivity micro ohm.cm	22
Electrical conductivity (%IACS)	8
Magnetic permeability	1,5

Alloy properties:

Two-phase aluminum copper alloy
Transformation by extrusion, forging or die stamping
Suitable for hot forming (800 to 950° C)
Not suitable for cold working
Good behavior at arc welding, MIG and TIG welding
Not suitable for acetylene welding and soft solder
Machinability: 30 % free-cutting brass

Applications:

Aerospace industry:

Rings
Bushings and bearings for landing gears

Marine industry:

Distributor bodies
Screws
Forged parts

CA104

CuAl10Ni5Fe4

Other designations:

CA1/CA2

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- Suitable mechanical properties
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